

# Migrate MySQL Database to Elestio

This migration document focuses on the migration of the applications supported by Elestio. Find the software list [here](#)

**NEW:** Check our [Data Migration Service for MySQL](#) to migrate more easily

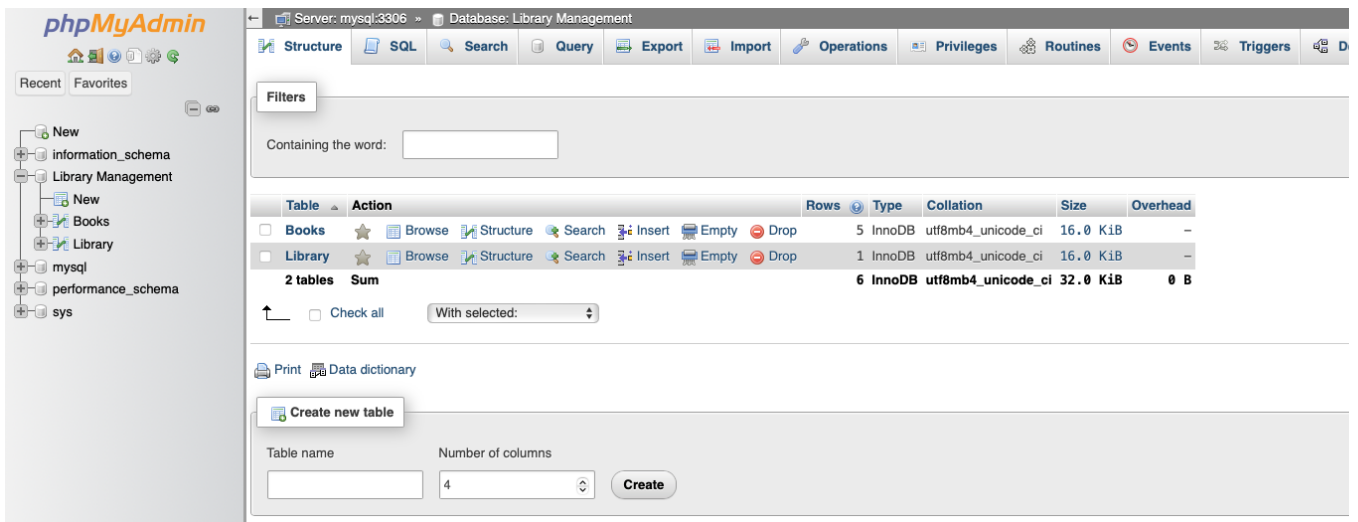
This document provides a step-by-step guide for migrating your existing MySQL database system to Elestio. Elestio is designed to enhance performance, scalability, and overall system efficiency. Before you begin the migration process, make sure to check the pre-requisites

## 1?? Pre-requisites

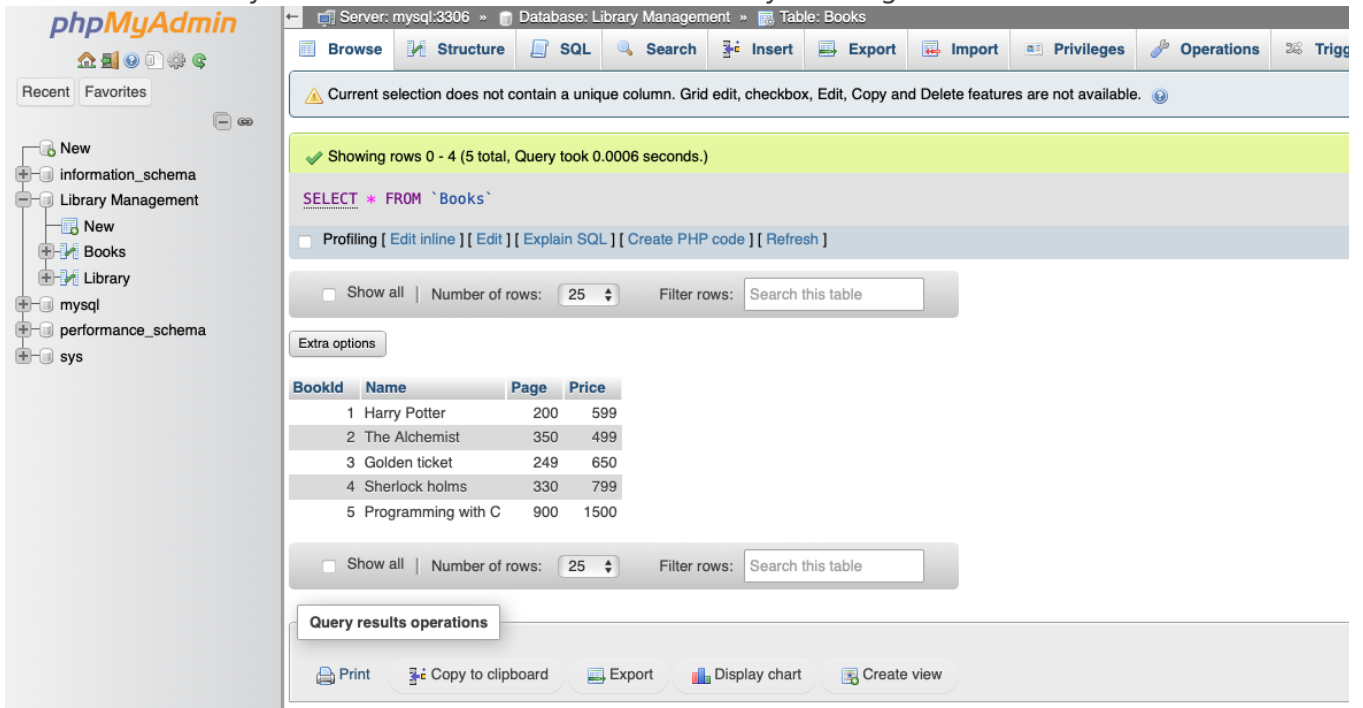
1. Create an account on [Elestio](#)
2. Log in to your MySQL admin dashboard account where your current site/pages are hosted
3. Make sure the UI for the application is working fine and there are no critical errors detected in the application logs. If found otherwise please feel free to create a support ticket
4. When deploying the service on Elestio, use the same software version as your present service, or your data migration will fail.

## 2?? Exporting the Data

1. Head over to your Phpmyadmin UI with Admin credentials and make sure you are logged in and can see your database, table, and data
2. For this example, we are going to migrate the Library Management database that has 2 tables: Books and Library

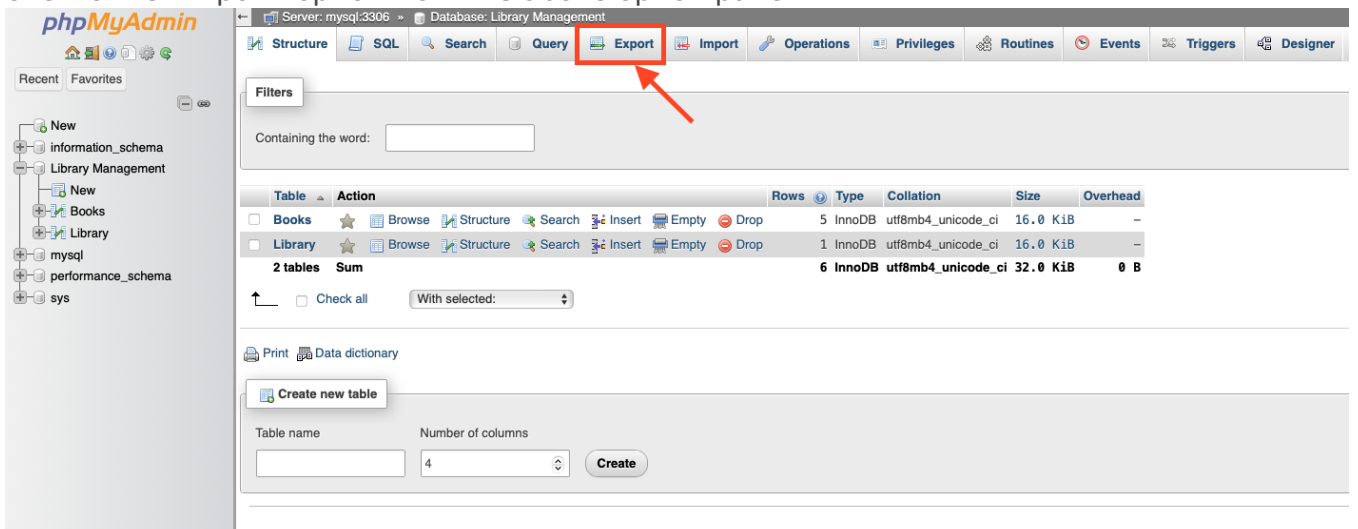


3. This is the dummy data under the Books table to verify the migration



4. Here, you can choose to migrate/export specific tables or entire databases. For this tutorial, I am going to export the entire database with all the tables

5. For this, click on your database so it shows the list of all the tables like below, and head over to the "Export" option from the above option panel



- You can use the "Quick" Option like below or go to custom and tweak the setting for exports as you need

Exporting tables from "Library Management" database

**Export method:**

☒ Quick - display only the minimal options  
☐ Custom - display all possible options

**Format:**

SQL

**Export**

- Click on "Export" and save the file to your local machine. The file being downloaded will have `.sql` extension because we have selected the format as SQL from above. Feel free to change the format if required.
- With this, your database is exported

## 3?? Importing the Data

- Login to your Elestio account
- Go to Create Services and select "MySQL"
- Select your service provider, region, and machine preferences

**elestio** Create Service

PROJECT: break-and-build

Services

Volumes  
Load Balancer  
CI/CD  
Domains  
Members  
Billing  
Project Setting  
Audit Trail  
Account  
Support Tickets  
Documentation

\$48.45 CREDITS  
\$0.028/hour

1. Select Service Cloud Provider

HETZNER DigitalOcean Amazon Lightsail linode VULTR Scaleway aws

2. Select Service Cloud Region

Europe North America

fns1 Germany - Falkenstein  
hel1 Finlande - Helsinki  
nbg1 Germany - Nuremberg

3. Select Service Plan

Intel Xeon Ampere Altra AMD Epyc

SMALL-1C-2G  
1 CPU 2 GB RAM 20 GB Storage 20 TB Bandwidth included Intel Xeon

MEDIUM-2C-4G

Service MySQL

Version latest (08-11-2023)

Provider Hetzner Cloud

Region Europe, Germany Falkenstein

Plan SMALL-1C-2G  
1 CPU 2 GB RAM 20 GB Storage 20 TB Bandwidth No Volumes No Snapshots 7 Remote Backups Intel Xeon Fully Managed

Support Level1

Estimated Monthly Price\* \$10

\*Estimated monthly price is based on 730 hours of usage.

Next

Copy Terraform Config

- Name your service, configurations, and support layer, and hit "Create Service"

**elestio** Create Service

PROJECT: break-and-build

Services

Volumes

Load Balancer

CI/CD

Domains

Members

Billing

Project Setting

Audit Trail

Account

Support Tickets

Documentation

\$48.45 CREDITS

\$0.028/hour SPENDING

1. Select Service Support

**Level 1 Support**

- ✓ 7 Days of remote backup retention
- ✓ Support : Documentation & community forum
- ✓ Email support channel
- ✓ 3 days Response Time
- ✓ Contact your support team directly from the console
- ✓ No SLA
- ✓ Recommended for test environment

Included

**Level 2 Support**

- ✓ 14 Days of remote backup retention
- ✓ 2 Services snapshots included
- ✓ 24h Response Time (business hours)
- ✓ Priority Queuing
- ✓ Documentation & community forum
- ✓ Email support channel
- ✓ Recommended for staging environment

\$50 / month

**Level 3 Support**

- ✓ 30 Days of remote backup retention
- ✓ 4 Services snapshots included
- ✓ 4h Response Time (business hours)
- ✓ Priority Queuing
- ✓ Dedicated Customer Success Manager
- ✓ Documentation & community forum
- ✓ Email & Phone supports channels
- ✓ Recommended for production environment

\$200 / month

2. Provide Service Name

The service name cannot be changed afterwards.

Name\*

migrate-to-this

3. Configure Network Volume

Service MySQL

Version latest (08-11-2023)

Provider Hetzner Cloud

Region Europe, Germany Falkenstein

Plan SMALL-1C-2G

- 1 CPU
- 2 GB RAM
- 20 GB Storage
- 20 TB Bandwidth
- No Volume
- No Snapshots
- 7 Remote Backups
- Intel Xeon
- Fully Managed

Support Level1

Estimated Monthly Price\* \$10

\*Estimated monthly price is based on 730 hours of usage.

Create Service

Copy Terraform Config

- Once running, head over to the service and use the credentials provided under "Admin UI" to access the PhpMyAdmin UI

**elestio** migrate-to-this

MySQL Running

Open terminal Delete service Clone this

Overview Tools Backups Metrics Logs Audit Security Alerts Notes

Termination protection Disabled. VM can be powered off and terminated. Protection deactivated

Database Admin Display your database credentials Display DB Credentials

Admin Display your software credentials Hide Admin

Admin UI <https://migrate-to-this-u7774.vm.elestio.app:24580/>

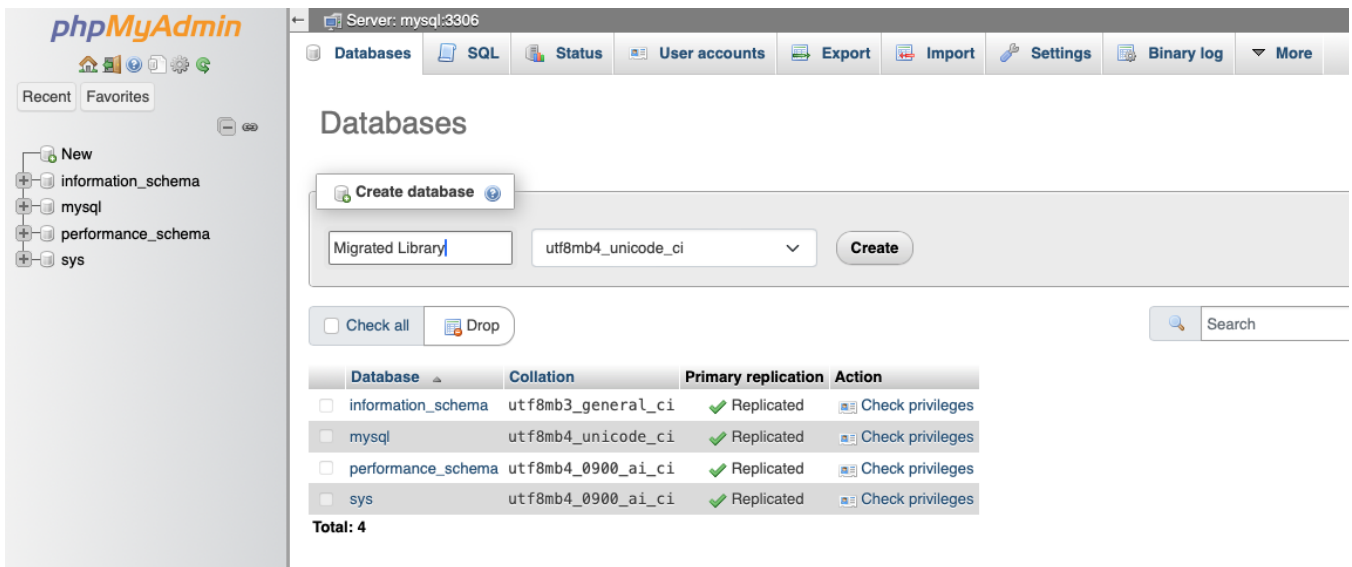
User root

Password \*\*\*\*\* Show password

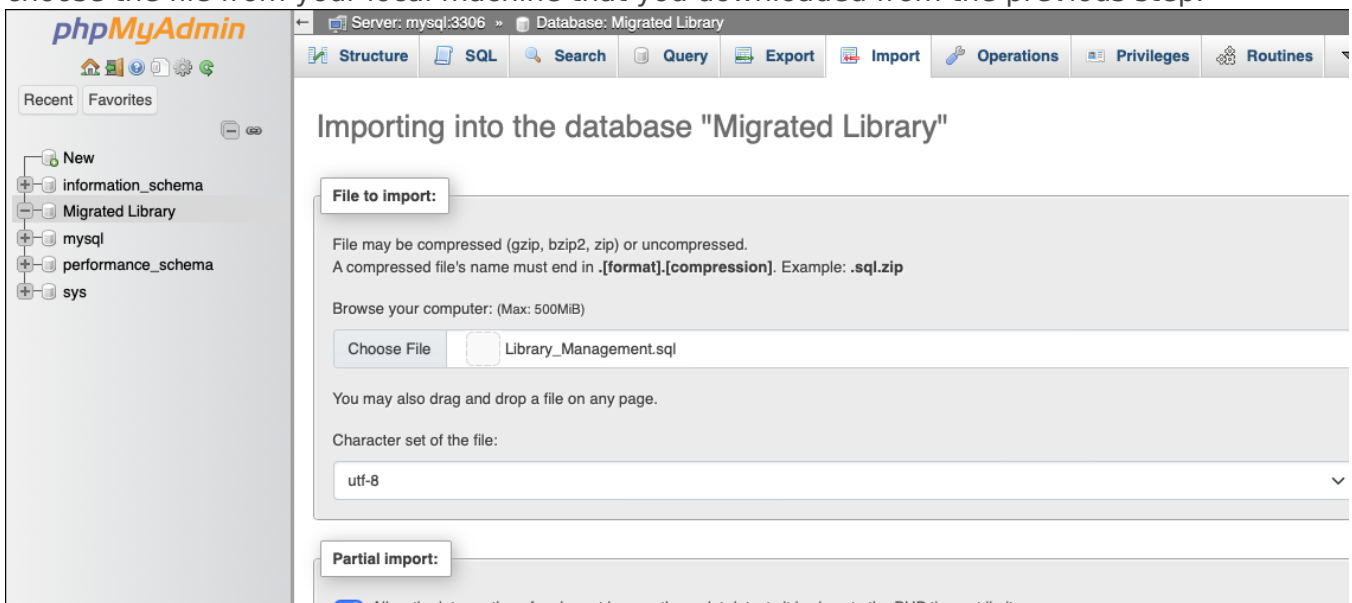
Software MySQL, version: latest View app logs Update config Restart Change version

Service plan Server type: SMALL-1C-2G (1 VCPU - 2 GB RAM - 20 GB storage) Provider: hetzner Upgrade plan

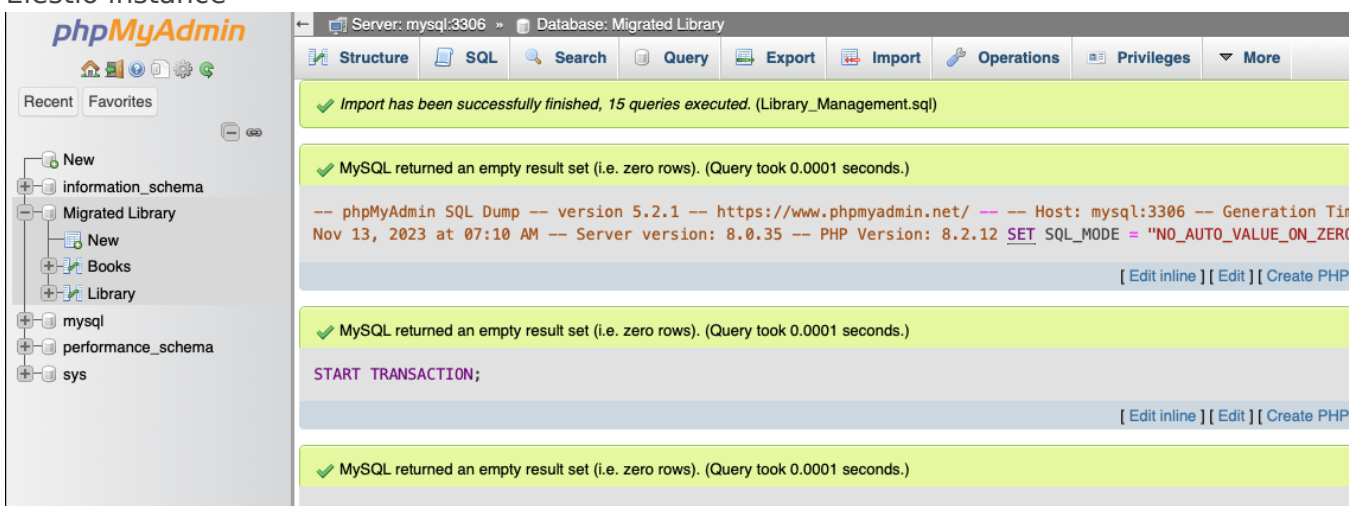
- Once you are in, head over to the UI you should go ahead and create your database. We will be creating a database with Name Migrated Library to see the difference after the migration



- Click on the database head over to the "Import" option from the top option bar, and choose the file from your local machine that you downloaded from the previous step.



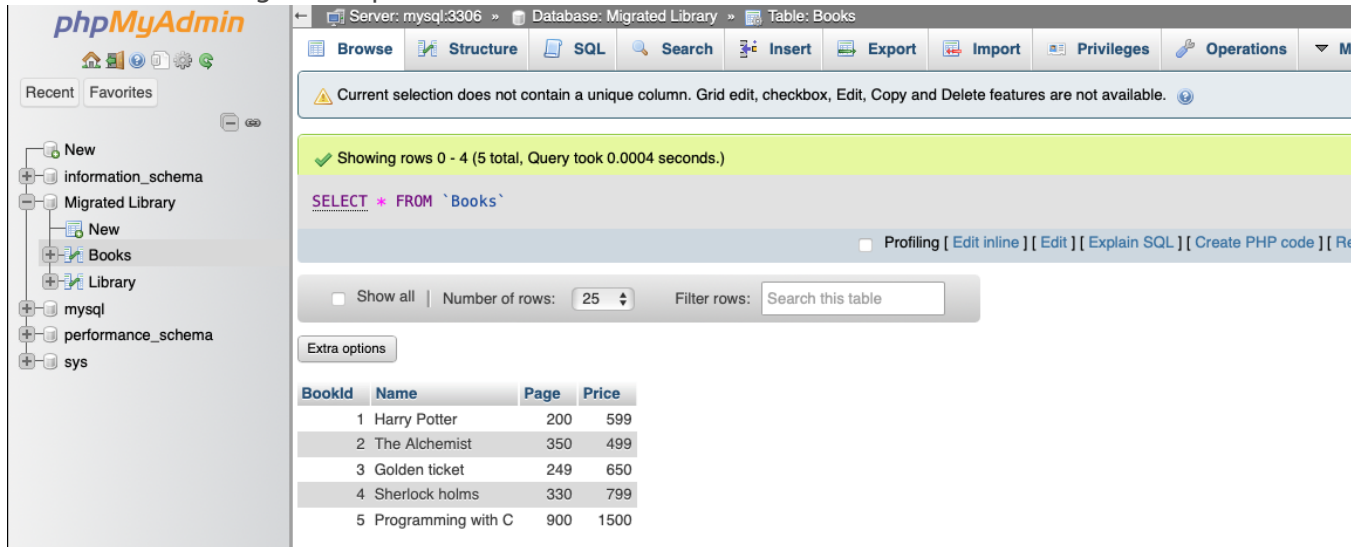
- Remember that if you used the custom settings in the import section then you might want to change the options from the default while importing too, else it will raise an error
- After uploading the essential .SQL file, scroll down and click on "Import"
- The tables and data will get imported and can be seen under the database we created on Elestio instance



11. Voila 🎉 you have successfully imported your tables and data to your new instance of MySQL.

## 4?? Testing the Migration

1. You have successfully migrated to Elestio, now it's time for testing if your application is running as you intended
2. Head over to the tables and check if you can still see the data like your previous instance
3. Here as you can see, my new database has successfully imported the tables and the data as I showed during the import



The screenshot shows the phpMyAdmin interface. On the left, the database structure is visible, including 'information\_schema', 'Migrated Library', 'New', 'Books', 'Library', 'mysql', 'performance\_schema', and 'sys'. The 'Books' table is selected. The main panel shows the table's structure and data. A message at the top states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, a green bar indicates 'Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)'. The SQL query 'SELECT \* FROM `Books`' is entered. Below the query, there are options for 'Profiling', 'Edit inline', 'Edit', 'Explain SQL', 'Create PHP code', and 'Reveal query'. A 'Show all' checkbox is present, along with 'Number of rows: 25' and a 'Filter rows' search box. An 'Extra options' button is also visible. The table data is displayed as follows:

BookId	Name	Page	Price
1	Harry Potter	200	599
2	The Alchemist	350	499
3	Golden ticket	249	650
4	Sherlock holms	330	799
5	Programming with C	900	1500

## 5?? Need additional help?

Stuck somewhere? We are here to help you, go ahead and create a [support ticket](#) and we will get back to you in no time.

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Revision #4

Created 10 November 2023 08:42:07 by kaiwalya

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